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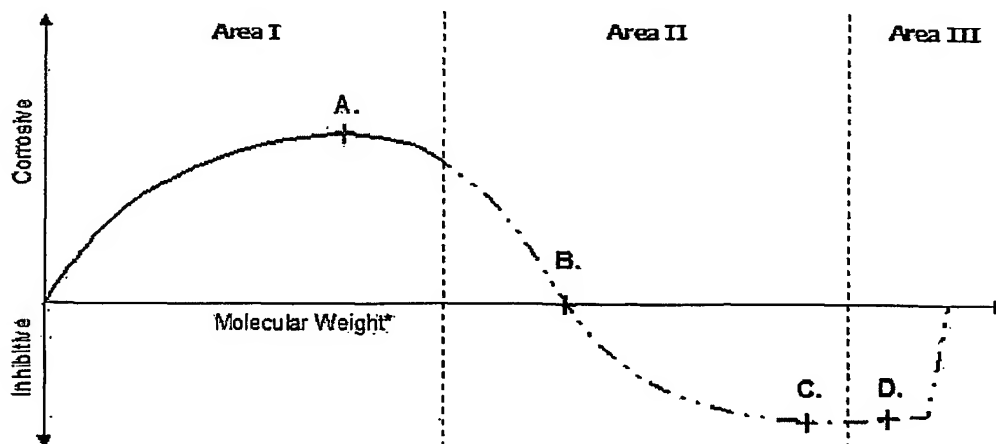
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(54) Title: COMPOSITIONS, CONFIGURATIONS, AND METHODS OF REDUCING NAPHTHENIC ACID CORROSIVITY



x-axis is a function dominated by molecular weight and structure, including factors such as reactive sulfur, velocity, phase, temperature, and pressure; y-axis is a measure of corrosivity and/or corrosion inhibition.

(57) Abstract: Naphthenic acid corrosivity of hydrocarbon feedstocks is correlated with the chemical composition of naphthenic acids, and especially with a ratio between an alpha fraction and a beta fraction of naphthenic acids. Contemplated plants, configurations, and methods are directed to reducing naphthenic acid corrosivity of hydrocarbon feedstocks by increasing the beta fraction over the alpha fraction.



— with amended claims

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*